PATENT APPLICATION DOCKET NO.: 3033.1005-003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applica	ants: Darrell H. Carney and Shyam Ramakrishnan
Continu	uation Application of
	Application No.: 09/777,328
	Filed: February 5, 2001
Title:	SYNTHETIC PEPTIDE NEUTROPHIL CELL CHEMOTACTIC AGENTS
	Date: 11-20-03 EXPRESS MAIL LABEL NO. EV 214 935 180 US
	INFORMATION DISCLOSURE STATEMENT
P.O. Box	ssioner for Patents x 1450 Iria, VA 22313-1450
Sir:	
[]	formation Disclosure Statement is submitted: under 37 CFR 1.129(a), or (First/Second submission after Final Rejection)
	under 37 CFR 1.97(b), or (Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including CPA, or a Request for Continued Examination).
[]	under 37 CFR 1.97(c) together with either:
	[] a Statement under 37 CFR 1.97(e), as checked below, or
	[] a \$180.00 fee under 37 CFR 1.17(p), or (After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
[]	under 37 CFR 1.97(d) together with: [] a Statement under 37 CFR 1.97(e), as checked below, and

a \$180.00 fee under 37 CFR 1.17(p), or

[]

under 37 CFR 1.97(i):

(Filed after payment of issue fee)

(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)

Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.

Staten	nent Un	der 37 (<u>CFR 1.97(e)</u>
[]	any co	mmuni	information contained in this Information Disclosure Statement was first cited in cation from a foreign patent office in a counterpart foreign application not more in the prior to the filing of this Information Disclosure Statement; or
[]	comm knowl in the	unication edge of informa	formation contained in this Information Disclosure Statement was cited in a on from a foreign patent office in a counterpart foreign application, and, to the the undersigned, after making reasonable inquiry, no item of information contained the disclosure statement was known to any individual designated in 37 CFR than three months prior to the filing of this Information Disclosure Statement.
Staten	nent Un	der 37 ((Patent Term Adjustment) Applies to original applications (other than design) filed on or after May 29, 2000
[]	comm was no	unication traceives	information contained in the Information Disclosure Statement was cited in a son from a foreign patent office in a counterpart application and this communication yed by any individual designated in § 1.56(c) more than thirty days prior to the aformation Disclosure Statement.
[X]	Enclos	sed here	with is form PTO-1449:
	[]	Copies	s of the cited references are enclosed.
		[]	Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
	[X]	Applic	s of the cited references are enclosed except those entered in prior application, U.S. ation No. 09/777,328, to which priority under 35 U.S.C. 120 is claimed. [The application contains copies of the cited references.]
	[]	The list	sted references were cited in the enclosed International Search Report in a rpart foreign application.
	[]	The "cunder"	oncise explanation" requirement (non-English references) for reference(s) [37 CFR 1.98(a)(3) is satisfied by:
		[]	the explanation provided on the attached sheet.
		[]	the explanation provided in the Specification.
		[]	submission of the enclosed International Search Report.
		[]	submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
		[]	the enclosed English language abstract.

[]	Appl	icant requests that the following r	on-published pending appli	cations be considered:
Examiner's Initials	i			
		U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
		U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
		U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
		Examiner	Date	_
	[]	A copy of each above-cited app	olication, including the curre	ent claims, is enclosed.
	[]	A copy of each above-cited app those entered in prior application 35 U.S.C. 120 is claimed.	olication, including the curre on, U.S. Application No. [ent claims, is enclosed, except], to which priority under
The E	xamine	er is requested to return a copy of ere considered with the next offic	the above list of pending ap e communication.	plications indicating which
It is re	queste	d that the information disclosed h	erein be made of record in t	his application.
Metho	d of pa	ayment:		
[]		eck for the fee noted above is encloped approach and second above is encloped. A copy of this S		cluded in the check with the
[]	Pleas enclo	e charge Deposit Account 08-038 sed.	0 in the amount of \$[]. A copy of this Statement is
[]	Pleas	e charge any deficiency in fees an	d credit any overpayment to	Deposit Account 08-0380.
		·	Respectfully submitted,	
		H	IAMILTON, BROOK, SMI	TH & REYNOLDS, P.C.
			Helen Lee Registration No.: 39,270 Telephone: (978) 341-0036 Facsimile: (978) 341-0136	<u> </u>

Concord, MA 01742-9133 Dated: *Movember 20,2003*

PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. 3033.1005-003	Continuation of Appl. 1		Appl. No.:
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	FIRST NAMED INVENTOR FILING DATE Darrell H. Carney			
November 20, 2003 (Use several sheets if necessary)	EXAMINER	CONF	RMATION NO.	GROUP

		U.S	S. PATENT DOCUMENTS	
EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	AA	5,840,499	11/1998	Brass, et al.
	AB	6,184,342	02/06/2001	Carney, et al.
	AC	5,849,507	12/15/1998	Coughlin
	AD	5,798,248	08/25/1998	Coughlin, et al.
	AE	5,763,575	08/25/1998	Sundelin, et al.
	AF	5,759,994	06/02/1998	Coughlin, et al.
	AG	5,716,789	02/10/1998	Sundelin, et al.
	АН	5,688,768	11/18/1997	Coughlin, et al.
	Al	5,629,174	05/13/1997	Sundelin, et al.
	AJ	5,256,766	10/26/1993	Coughlin
	AK			
	AA2			
	AB2			
	AC2			
	AD2			
	AE2			
	AF2			
	AG2			
	AH2		·	
	AI2			
	AJ2			
	AK2			
	AA3			
	AB3			
	AC3			

EXAMINER	DATE CONSIDERED	
1		

PTO-1449	DEDDOCE	HICED

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

November 20, 2003

(Use several sheets if necessary)

		Sheet 2 of 5
ATTORNEY DOCKET NO. 3033.1005-003	Continuation of 2 09/777,328	Appl. No.:
FIRST NAMED INVENTOR Darrell H. Carney	FILING DATE	
EXAMINER	CONFIRMATION NO.	GROUP

		F	OREIGN PATENT DO	OCUMENTS		
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSI YES	ATION NO
	AL	WO 92/14750	09/03/92	PCT		
	AM					
	AN					
	AO					
	AP					
	AO					
	AL2					
	AM2					
	AN2					
	AQ2					
	AP2					
	AQ2					
	AL3					
	AM3					
	AN3				Ī	
	AO3					
	AP3					
	AQ3					-
	AL4					
	AM4					
	AN4					
	AO4					
	AP4					
{	AQ4					_

n		
li	EXAMINER	DATE CONSIDERED
ľ		
I		
ı		
U		

PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. Continuation of Appl 3033.1005-003 09/777,328		Appl. No.:	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION November 20, 2003	FIRST NAMED INVENTOR Darrell H. Carney FILING DATE			
(Use several sheets if necessary)	EXAMINER	CONF	IRMATION NO.	GROUP

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
AR	Cooper et al, The Biochemical Basis of Neuropharm. Oxford Univ. Press, NY, pp. 93-94, (1986).
AS	Carney, D.H "Postclotting cellular effects of thrombin mediated by interaction with high-affinity thrombin receptors" in <i>Thrombin Structure and Function</i> . L. Berliner, ed. Plenum, New York. 351 (1992).
AT	Carney, D.H. et al "Role of high-affinity thrombin receptors in postclotting effects of thrombin," Semin. Thromb. Hemost. 18: 91, (1992).
AU	Carney, D.H. et al., "Conditions which affect initation of animal cell division by trypsin and thrombin," J. Cell, Physiol. 95:13 (1978).
AV	Perez-Rodriguez, R. et al., "Growth factor requirements of Chinese hamster lung fibroblasts in serum-free media: High mitogenic reaction of thrombin," Cell Biol. Int. Rep. 5:347, (1981).
AW	Belloni, P.N. et al., "Isolation and partial characterization of murine and human endothelial cells from various organs: Differential responsiveness to thrombin and other growth factors," <i>Microvas. Res.</i> 43: 20 (1992).
AX	He, CJ. et al., "Thrombin increases proliferation and decreases fibrinolytic activity of kidney glomerular epithelial cells," J. Cell. Physiol. 146:131 (1991).
AY	Gurwitz, D. & D.D. Cunningham, "Thrombin modulates and reverses neuroblastoma neurite outgrowth," <i>Proc. Natl. Acad. Sci. USA.</i> 85:3440 (1988).
AZ	Bar-Shavit, R. et al., I"dentification of a thrombin sequence with growth factor activity on macrophages," <i>Proc. Natl. Acad. Sci. USA</i> . 83:976 (1986).
AR2	Naldini, A., et al., "Thrombin enhances T cell proliferative responses and cytokine production," Cell. Immunol. 147:367 (1993).
AS2	Carney, D.H. <i>et al.</i> , "Enhancement of incisional wound healing and neovascularization in normal rats by thrombin and synthetic thrombin receptor-activating peptides," <i>J. Clin. Invest.</i> 89:1469 (1992).

EXAMINER	DATE CONSIDERED
1	

PTO-1449 REPRODUCED .	ATTORNEY DOCKET NO. 3033.1005-003	Continuation of Appl. No.: 09/777,328	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION November 20, 2003 (Use several sheets if necessary)	FIRST NAMED INVENTOR FILING DATE Darrell H. Carney		
	EXAMINER	CONFIRMATION NO. GROUP	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
AT2	Stiernberg, J. et al; "The role of thrombin and thrombin receptor activating peptide (TRAP-508) in initiation of tissue repair," <i>Thrombosis and Haemostasis</i> . 70:158 (1993).	
AU2	Vu, TK.H. et al., "Molecular cloning of a functional thrombin receptor reveals a novel proteolytic mechanism of receptor activation," <i>Cell.</i> 64:1057 (1991).	
AV2	Rasmussen, U.B. et al., "cDNA cloning and expression of a hamster thormbin receptor coupled to Ca.sup.+2 mobilization," FEBS Letters. 288:123 (1991).	
AW2	Zhong, C. et al, "Molecular cloning of the rat vascular smooth muscle thrombin receptor: Evidence for in vitro regulation by basic fibroblast growth factor," J. Biol. Chem. 267:16975 (1992).	
AX2	Van Obberghen-Schilling, E. & J, "Pouyssegur Alpha-thrombin receptors and growth signaling," Semin. Thromb. Hemos. 19:378 (1993).	
AY2	Kalmer, J.R. et al., "Superior leukocyte separation with a discontinuous one-step Ficoll-Hypaque gradient for the isolation of human neutrophils," J. Immunol. Meth. 110: 275 (1988).	
AZ2	Mansfield, P.J., L.A. Boxer & S.J. Suchard. 1990. Thrombospondin stimulates motility of human neutrophils. J. Cell Biol. 111: 3077.	
AR3	Harlow, E. & D, "Lane Antibodies: a laboratory manual," Cold Spring Harbor Laboratory, Cold Spring Harbor, New York. pp. 726 (1988).	
AS3	Fraker, P.J. & Speck, J.C., Jr., "Protein and cell membrane iodinations with a sparingly soluable chloramide 1,3,4,6-trtrachloro-3,6-diphenylglycoluril," <i>Biochem. Biophys. Res. Comm.</i> 80(4):849-857 (1978).	
АТ3	Thomas, M.J. et al., "Superoxide generation by the human polymorphonuclear leukocytes in response to latex beads," J. Leukoc. Biol. 51:591 (1992).	
AU3	Howells, G.L. et al., "Peripheral blood lymphocytes express the platelet-type thrombin receptor," Br. J. Haemat. 84:156 (1993).	
AV3	Hoffman, M. & F.C. Church, "Response of blood leukocytes to thrombin receptor peptides," J. Leukoc. Biol. 54:145 (1993).	

EXAMINER	DATE CONSIDERED

PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. 3033.1005-003	Continuation of Appl. No.: 09/777,328		Appl. No.:
INFORMATION DISCLOSURE CITATION IN AN APPLICATION November 20, 2003 (Use several sheets if necessary)	FIRST NAMED INVENTOR FILING DATE Darrell H. Carney			
	EXAMINER	CONF	IRMATION NO.	GROUP

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
AW3	Glenn, K.C. et al, "Synthetic peptides bind to high-affinity thrombin receptors and modulate thrombin mitogenesis," <i>Peptide Res. 1</i> :65 (1988).
AX3	GenBank Accession No. P25116, Locus PAR1_HUMAN, "Proteinase activated receptor 1 precursor (PAR-1) (Thrombin Receptor) (Coagulation factor II receptor)" (1991).
AY3	GenBank Accession No.A37912, Locus A37912, "Thrombin receptor precursor - human" (1999).
AZ3	Bowie, J.U., et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions", Science, 247:1306-1310 (1990).
AR4	Burgess, W.H., et al., "Possible Dissociation of the Heparin-binding and Mitogenic Activities of Heparin-binding (Acidic Fibroblast) Growth Factor-1 from Its Receptor-binding Activities by Site-directed Mutagenesis of a Single Lysine Residue", J. Cell Biol., 111:2129-2138 (1990).
AS4	Lazar, E., et al., "Transforming Growth Factor α: Mutation of Aspartic Acid 47 and Leucine 48 Results in Different Biological Activities," Mol. Cell Biol., 8:1247-1252 (1988).